DAAC/ECS STATUS Table for December 10, 1997

Release	DESCRIPTION	Status	Problems/Comments
Pre-Release B Testbed	**HW/SW Installations**	-Testbed teardown is scheduled for the first week in January 1998.	
	SSI&T	Jill worked with Subsystem 1 ESDTs and creating ESDT ODL files as a learning exercise for future SSI&T on ECS Version 2.0.	
LaTIS	**Definition/ Development**	- Currently testing automation of DPREP and Subsystem 1.0 processing through the Product Generation Database.	
	SSI&T	- SSI&T of Clouds (Subsystems 4.1 -4.4) were completed successfully - SARB Subsystem was integrated and tested with minor correction in the environment such that the pcf file can be created in CERES home directory. - SSI&T of CERESlib & Inversion, which were delivered to the DAAC on Dec 4, are in progress. (Sukdee)	
	Other	- SARB 30 day test is progressing. One complete day has been run through Clouds/Inversion/SARB. - Informal deliveries have caused some delays in processing due to permission problems, changing code, changing input file names, and other conflicts in trying to use the same area as subsystem developers. - Processing of Level Zero and quick look data is being accomplished in a manual operations mode. Since the Ephemeris and Attitude data are not coming in 24 hour files, special manual operator attention in the form of editing the PCF is currently taking place to use the Alldays Ephemeris files from DPREP. Mail is being sent out indicating what data has been processed. This information is also on the web at http://eosweb.larc.nasa.gov/~latisweb Suggestions for additional processing reports or changes to existing information are welcome. (Jill)	

Release	DESCRIPTION	Status	Problems/Comments
Version 2.0 (Release B)	**HW/SW Installations**	- Physical Configuration Audit conducted this week. PCA Team had good report about state of Langley DAAC. -COTS installation continues.	
	ESDTS	- CERES received information on the core vs. PSA metadata attribute improvements to be used in the ECS SSI&T system in Feb. Changes in ESDT's will be implemented after CERES confirmation. ECS reviewed a sample CERES MCF from Alice for compatibility. (Haldun)	
	SSI&T	- CERES received information on the core vs. PSA metadata attribute improvements to be used in the ECS SSI&T system in Feb. Changes in ESDT's will be implemented after CERES confirmation. ECS reviewed a sample CERES MCF from Alice for compatibility. (Haldun) - A workaround has been provided by ECS to handle the Runtime Parameters in PCF's enclosed by double quotes. It will work for all cases where single and double quotes are not mixed. (Haldun) -Pre- SSI&T continues at Landover. Tom Atwater continues to work with Subsystems 11 and 1. Jill is verifying information on Subsystems 2 and 3 and will be sending them to Landover soon. (Jill)	
	Other		

Status of Release 2 CERES SSIT at the LaRC DAAC (12/10/97)

Subsystem	Delivery Date of accepted delivery	Delivery Content Verified and Accepted	Delivery placed under CM	Compile and link with SCF toolkit	Run test cases with SCF toolkit cmd line	Run test cases using Codine	Production Volume Stress Test	Comments
1.0	06/26/97 08/27/97 10/24/97	06/30/97 08/27/97 10/26/97	07/01/97 08/28/97 10/27/97	07/02/97 08/28/97 10/27/97	07/03/97 08/28/97 10/28/97	07/03/97 08/30/97 10/30/97	08/30/97	
2.0 & 3.0	06/16/97	06/17/97	06/23/97	06/19/97	06/23/97	07/02/97	07/17/97	
4.1-4.4	08/15/97 11/14/97	08/19/97 11/18/97	08/19/97 11/18/97	08/21/97 12/02/97	08/25/97 12/02/97	08/26/97 12/03/97	08/26/97	
4.5-4.6	08/22/97 12/04/97	08/26/97 12/08/97	08/28/97 12/09/97	08/30/97	09/02/97	09/03/97	09/17/97	
5.0	09/11/97 11/28/97	09/12/97 12/03/97	09/15/97 12/05/97	09/16/97 12/05/97	09/16/97 12/08/97	09/17/97 12/08/97	10/30/97	
7.1								
7.2								
6.0/9.0								
8.0								

Status of Release 2 CERES SSIT at the LaRC DAAC (12/10/97)

Subsystem	Delivery Date of accepted delivery	Delivery Content Verified and Accepted	Delivery placed under CM	Compile and link with SCF toolkit	Run test cases with SCF toolkit cmd line	Run test cases using Codine	Production Volume Stress Test	Comments
10.0								
11.0	08/01/97 10/10/97	08/05/97 10/14/97	08/05/97 10/14/97	08/07/97 10/16/97	08/07/97 10/16/97	08/08/97 10/17/97		
12.0	08/01/97	08/05/97	08/06/97	08/05/97	08/06/97	08/08/97	08/08/97	
CERESlib	06/17/97 08/01/97+ 10/03/97* 10/31/97- 12/04/97	06/18/97 08/04/97 10/06/97 11/04/97 12/09/97	06/23/97 08/05/97 10/07/97 11/04/97 12/09/97	06/18/97 08/05/97 10/07/97 11/06/97 12/09/97	06/18/97 08/05/97 10/07/97 11/06/97 12/09/97	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A	+Delivery for SS 11 * Delivery for TK5.2 - Delivery for SSF

Status of Release 2 CERES SSIT on the ECS Pre-Release B Testbed at the LaRC DAAC (12/1097)

Subsystem	Delivery Date of accepted delivery	Delivery Content Verified and Accepted	Delivery placed under CM	Compile and link with SCF toolkit	Run test cases with SCF toolkit cmd line	Compile and link with DAAC toolkit	Run test cases with DAAC toolkit cmd line	Register ESDTs and update PDPS with ESDT metadata	Created PGE metadata (PCF info)	Created metadata for input test data	Created Science Software Exec Package	Create DPR and run jobs through PDPS
11.0 (main)	08/01/97	08/08/97	08/11/97	08/11/97	08/11/97	08/12/97	08/12/97	08/13/97	08/15/97	08/18/97	08/19/97	08/29/97*
11.0 (post)	08/01/97	08/08/97	08/11/97	08/11/97	08/11/97	08/12/97	08/12/97	08/13/97	09/19/97	09/19/97	09/19/97	09/19/97
cereslib	08/01/97	08/08/97	08/11/97	08/11/97	08/11/97	08/11/97	08/11/97	N/A	N/A	N/A	N/A	N/A

* NOTE: Testbed Versions 1.2 and 1.3 were installed in September. CERES GGEO_MAIN ran successfully with these versions. GGEO_POST was not run until after Versions 1.2 and 1.3 were installed and tested.

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CERES Release 2 DAAC Performance Measurements - 12/10/97

One execution on LaTIS configuration of each PGE at production-level volume expected for TRMM launch.

SS	PGE	Compiler	Test Date	Time,sec			Block Operations		Peak Memory MB	Disk Storage, MB					Runs per Mnth
				Wall	User	System	Input	Output		Input	Temp	Interm	Arch	Logs/ QC	
1.0	Instrument	Ada	08/30	13952	13335	424	27397	7428	1320.3	106	0	303	387	0.9	31
2.0	Daily TOA Inversion	SGIF90	07/16	288	276	9	4334	5	3.3	284	284	13	487	.02	31
3.0	Monthly Averaging	SGIF90	07/17	569	400	130	4890	230	15.7	403	410	0	140	1.7	1
4.1/ 4.4	Cloud Retrieval/ Footprint Convolution	SGIF90	08/26	4481	4384	52	3174	13	323.1	312	0	1167	30	36.0	744
4.5	TOA/Surface Fluxes	SGIF90	09/17	162	33	126	52	13	2.9	215	0	0	201	0.08	744
5.0	Instantaneous SARB	SGIF90	10/30	27150	26785	190	3412	4	224.9	247	0	0	253	.001	744
7.2	Synoptic SARB														
12.0	MOA Regridding	NAG 32bit	08/08	1633	1548	29	35672	29	40.5	709	0	0	319	.001	31
11.0	Grid Geostationary	NAG 32bit	11/11	77816	77137	200	17225	4	25.6	1180	0	178	0	1	4
11.1	Sort GGEO	NAG 32bit	11/21	10732	3484	3040	13820	3	2.5	588	0	0	568	.001	1
9.0	Surface Gridding														
9.1	Sort SFC Files														
12.1	Post-process MOA														
10.0	TOA/SRB Averaging														
6.0	Atmos. Gridding														
6.1	Sort FSW Files														
7.1	Synoptic Interpolate														
8.0	Synoptic Averaging														
System Total															

System total: multiply each PGE measure by the number of Runs per Data Month for that PGE, then add all PGE's. Some PGE's will require more resources for each instrument on EOS-AM and EOS-PM.